

# Jaap Sinninghe Damst

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

882 papers	62,637 citations	128 h-index	202 g-index
954 ext. papers	70,417 ext. citations	6 avg, IF	7.72 L-index

#	Paper	IF	Citations
882	Bacteriohopanetetrol- <i>et al.</i> : constraining its application as a lipid biomarker for marine anammox using the water column oxygen gradient of the Benguela upwelling system. <i>Biogeosciences</i> , <b>2022</b> , 19, 201-221	4.6	1
881	Cyclic sediment deposition by orbital forcing in the Miocene wetland of western Amazonia? New insights from a multidisciplinary approach. <i>Global and Planetary Change</i> , <b>2022</b> , 210, 103717	4.2	1
880	Distributions and sources of isoprenoidal GDGTs in Lake Lugano and other central European (peri-)alpine lakes: Lessons for their use as paleotemperature proxies. <i>Quaternary Science Reviews</i> , <b>2022</b> , 277, 107352	3.9	2
879	Acetate Degradation at Low pH by the Moderately Acidophilic Sulfate Reducer gen. nov. sp. nov.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 816605	5.7	0
878	Paleoclimate reconstruction of the last 36 kyr based on branched glycerol dialkyl glycerol tetraethers in the Padul palaeolake record (Sierra Nevada, southern Iberian Peninsula). <i>Quaternary Science Reviews</i> , <b>2022</b> , 281, 107434	3.9	0
877	Interplay between microbial community composition and chemodiversity of dissolved organic matter throughout the Black Sea water column redox gradient. <i>Limnology and Oceanography</i> , <b>2022</b> , 67, 329-347	4.8	1
876	Natronocalculus amylovorans gen. nov., sp. nov., and Natranaeroarchaeum aerophilus sp. nov., dominant culturable amylolytic natronoarchaea from hypersaline soda lakes in southwestern Siberia. <i>Systematic and Applied Microbiology</i> , <b>2022</b> , 45, 126336	4.2	0
875	Changes in the distribution of membrane lipids during growth of at different temperatures: Indications for the potential mechanism of biosynthesis of ether-bound diabolic acid (membrane-spanning) lipids. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , AEM0176321	4.8	1
874	Seasonal and multi-annual variation in the abundance of isoprenoid GDGT membrane lipids and their producers in the water column of a meromictic equatorial crater lake (Lake Chala, East Africa). <i>Quaternary Science Reviews</i> , <b>2021</b> , 273, 107263	3.9	3
873	The physiology and metabolic properties of a novel, low-abundance Psychrilyobacter species isolated from the anoxic Black Sea shed light on its ecological role. <i>Environmental Microbiology Reports</i> , <b>2021</b> , 13, 899-910	3.7	1
872	A diverse uncultivated microbial community is responsible for organic matter degradation in the Black Sea sulphidic zone. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 2709-2728	5.2	20
871	The bacterial sulfur cycle in expanding dysoxic and euxinic marine waters. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 2834-2857	5.2	20
870	Natranaerofaba carboxydovora gen. nov., sp. nov., an extremely haloalkaliphilic CO-utilizing acetogen from a hypersaline soda lake representing a novel deep phylogenetic lineage in the class 'Natranaerobiia'. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 3460-3476	5.2	2
869	Novel hydrocarbon-utilizing soil mycobacteria synthesize unique mycocerosic acids at a Sicilian everlasting fire. <i>Biogeosciences</i> , <b>2021</b> , 18, 1463-1479	4.6	1
868	Identifying marine and freshwater overprints on soil-derived branched GDGT temperature signals in Pliocene Mississippi and Amazon River fan sediments. <i>Organic Geochemistry</i> , <b>2021</b> , 154, 104200	3.1	3
867	Molecular and Physiological Adaptations to Low Temperature in Strains Isolated from Soda Lakes with Different Temperature Regimes. <i>MSystems</i> , <b>2021</b> , 6,	7.6	2
866	A multiproxy approach to characterize the sedimentation of organic carbon in the Amazon continental shelf. <i>Marine Chemistry</i> , <b>2021</b> , 232, 103961	3.7	1

865	Organic Matter Type Defines the Composition of Active Microbial Communities Originating From Anoxic Baltic Sea Sediments. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 628301	5.7	3
864	Total Synthesis of the Alleged Structure of Crenarchaeol Enables Structure Revision*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17504-17513	16.4	4
863	Sources and seasonality of long-chain diols in a temperate lake (Lake Geneva). <i>Organic Geochemistry</i> , <b>2021</b> , 156, 104223	3.1	1
862	Total Synthesis of the Alleged Structure of Crenarchaeol Enables Structure Revision**. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17645-17654	3.6	
861	Lipidomics of Environmental Microbial Communities. I: Visualization of Component Distributions Using Untargeted Analysis of High-Resolution Mass Spectrometry Data. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 659302	5.7	6
860	Microbial community development on model particles in the deep sulfidic waters of the Black Sea. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 2729-2746	5.2	5
859	Nitrate promotes the transfer of methane-derived carbon from the methanotroph <i>Methylobacter</i> sp. to the methylotroph <i>Methylothermobacter</i> sp. in eutrophic lake water. <i>Limnology and Oceanography</i> , <b>2021</b> , 66, 878-891	4.8	6
858	Bridging the membrane lipid divide: bacteria of the FCB group superphylum have the potential to synthesize archaeal ether lipids. <i>ISME Journal</i> , <b>2021</b> , 15, 168-182	11.9	19
857	Lipidomics of Environmental Microbial Communities. II: Characterization Using Molecular Networking and Information Theory. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 659315	5.7	3
856	Anoxic in situ production of bacterial GMGTs in the water column and surficial bottom sediments of a meromictic tropical crater lake: Implications for lake paleothermometry. <i>Geochimica Et Cosmochimica Acta</i> , <b>2021</b> , 306, 171-188	5.5	1
855	Analysis of non-derivatized bacteriohopanepolyols using UHPLC-HRMS reveals great structural diversity in environmental lipid assemblages. <i>Organic Geochemistry</i> , <b>2021</b> , 160, 104285	3.1	2
854	<i>Halapricum desulfuricans</i> sp. nov., carbohydrate-utilizing, sulfur-respiring haloarchaea from hypersaline lakes. <i>Systematic and Applied Microbiology</i> , <b>2021</b> , 44, 126249	4.2	1
853	Widespread wildfire across the Pliocene Canadian Arctic Archipelago. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2021</b> , 584, 110653	2.9	0
852	Reconstructing the diet, trophic level and migration pattern of mysticete whales based on baleen isotopic composition.. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 210949	3.3	0
851	Applicability of the Long Chain Diol Index (LDI) as a Sea Surface Temperature Proxy in the Arabian Sea. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36,	3.3	1
850	Diagnostic amide products of amino lipids detected in the microaerophilic bacteria <i>Lutibacter</i> during routine fatty acid analysis using gas chromatography. <i>Organic Geochemistry</i> , <b>2020</b> , 144, 104027	3.1	2
849	A high-resolution record of environmental changes from a Cretaceous-Paleogene section of Seymour Island, Antarctica. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2020</b> , 555, 109844	2.9	10
848	A new age model for the Pliocene of the southern North Sea basin: a multi-proxy climate reconstruction. <i>Climate of the Past</i> , <b>2020</b> , 16, 523-541	3.9	4

847	Impact of Electron Acceptor Availability on Methane-Influenced Microorganisms in an Enrichment Culture Obtained From a Stratified Lake. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 715	5.7	6
846	Influence of temperature on the $\delta^{13}\text{C}$ values and distribution of methanotroph-related hopanoids in Sphagnum-dominated peat bogs. <i>Geobiology</i> , <b>2020</b> , 18, 497-507	4.3	5
845	Global temperature calibration of the Long chain Diol Index in marine surface sediments. <i>Organic Geochemistry</i> , <b>2020</b> , 142, 103983	3.1	12
844	Alkenone Distributions and Hydrogen Isotope Ratios Show Changes in Haptophyte Species and Source Water in the Holocene Baltic Sea. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2020</b> , 21, e2019GC008731	3.6	5
843	A unique bacteriohopanetetrol stereoisomer of marine anammox. <i>Organic Geochemistry</i> , <b>2020</b> , 143, 103994	3.9	10
842	The absence of intact polar lipid-derived GDGTs in marine waters dominated by Marine Group II: Implications for lipid biosynthesis in Archaea. <i>Scientific Reports</i> , <b>2020</b> , 10, 294	4.9	18
841	Butyrate Conversion by Sulfate-Reducing and Methanogenic Communities from Anoxic Sediments of Aarhus Bay, Denmark. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	3
840	Seasonal variability and sources of in situ brGDGT production in a permanently stratified African crater lake. <i>Biogeosciences</i> , <b>2020</b> , 17, 5443-5463	4.6	15
839	gen. nov., sp. nov., a novel freshwater planctomycete with a giant genome from the family. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2020</b> , 70, 1240-1249	2.2	14
838	gen. nov., sp. nov., an aerobic methanotroph isolated from an oil sands tailings pond. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2020</b> , 70, 2499-2508	2.2	3
837	Organohalide-respiring Desulfoluna species isolated from marine environments. <i>ISME Journal</i> , <b>2020</b> , 14, 815-827	11.9	7
836	Lacipirellula parvula gen. nov., sp. nov., representing a lineage of planctomycetes widespread in low-oxygen habitats, description of the family Lacipirellulaceae fam. nov. and proposal of the orders Pirellulales ord. nov., Gemmatales ord. nov. and Isosphaerales ord. nov. <i>Systematic and Applied Microbiology</i> , <b>2020</b> , 43, 126122	4.2	59
835	Methane oxidation in anoxic lake water stimulated by nitrate and sulfate addition. <i>Environmental Microbiology</i> , <b>2020</b> , 22, 766-782	5.2	30
834	Algal biomarkers as a proxy for pCO <sub>2</sub> : Constraints from late quaternary sapropels in the eastern Mediterranean. <i>Organic Geochemistry</i> , <b>2020</b> , 150, 104123	3.1	1
833	Physiological, chemotaxonomic and genomic characterization of two novel piezotolerant bacteria of the family Marinifilaceae isolated from sulfidic waters of the Black Sea. <i>Systematic and Applied Microbiology</i> , <b>2020</b> , 43, 126122	4.2	5
832	Testing algal-based pCO proxies at a modern CO seep (Vulcano, Italy). <i>Scientific Reports</i> , <b>2020</b> , 10, 10508	4.9	2
831	Frigoriglobus tundricola gen. nov., sp. nov., a psychrotolerant cellulolytic planctomycete of the family Gemmataceae from a littoral tundra wetland. <i>Systematic and Applied Microbiology</i> , <b>2020</b> , 43, 126122	4.9	11
830	Assessing the Effect of Humic Substances and Fe(III) as Potential Electron Acceptors for Anaerobic Methane Oxidation in a Marine Anoxic System. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	7

829	BayMBT: A Bayesian calibration model for branched glycerol dialkyl glycerol tetraethers in soils and peats. <i>Geochimica Et Cosmochimica Acta</i> , <b>2020</b> , 268, 142-159	5.5	45
828	Is Deep-water formation in the Baltic Sea a key to understanding seabed dynamics and ventilation changes over the past 7,000 years?. <i>Quaternary International</i> , <b>2020</b> , 550, 55-65	2	10
827	Fatty Acid and Hopanoid Adaption to Cold in the Methanotroph. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 589	5.7	20
826	Bisnorgammacerane 'traces predatory' pressure and the persistent rise of algal ecosystems after Snowball Earth. <i>Nature Communications</i> , <b>2019</b> , 10, 476	17.4	20
825	Ocean temperature impact on ice shelf extent in the eastern Antarctic Peninsula. <i>Nature Communications</i> , <b>2019</b> , 10, 304	17.4	30
824	Depth-related differences in archaeal populations impact the isoprenoid tetraether lipid composition of the Mediterranean Sea water column. <i>Organic Geochemistry</i> , <b>2019</b> , 135, 16-31	3.1	19
823	Long-chain diols in settling particles in tropical oceans: insights into sources, seasonality and proxies. <i>Biogeosciences</i> , <b>2019</b> , 16, 1705-1727	4.6	7
822	Bacterial GMGTs in East African lake sediments: Their potential as palaeotemperature indicators. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 259, 155-169	5.5	8
821	Hydrogen isotope fractionation response to salinity and alkalinity in a calcifying strain of <i>Emiliania huxleyi</i> . <i>Organic Geochemistry</i> , <b>2019</b> , 134, 62-65	3.1	1
820	Biosynthesis of Long Chain Alkyl Diols and Long Chain Alkenols in <i>Nannochloropsis</i> spp. (Eustigmatophyceae). <i>Plant and Cell Physiology</i> , <b>2019</b> , 60, 1666-1682	4.9	3
819	Comparison of organic and palynological proxies for biomass burning and vegetation in a lacustrine sediment record (Lake Allom, Fraser Island, Australia). <i>Organic Geochemistry</i> , <b>2019</b> , 133, 10-19	3.1	6
818	The vertical distribution of Thaumarchaeota in the water column of Lake Malawi inferred from core and intact polar tetraether lipids. <i>Organic Geochemistry</i> , <b>2019</b> , 132, 37-49	3.1	9
817	Widespread Warming Before and Elevated Barium Burial During the Paleocene-Eocene Thermal Maximum: Evidence for Methane Hydrate Release?. <i>Paleoceanography and Paleoclimatology</i> , <b>2019</b> , 34, 546-566	3.3	16
816	A multiproxy study of past environmental changes in the Sea of Okhotsk during the last 1.5 Ma. <i>Organic Geochemistry</i> , <b>2019</b> , 132, 50-61	3.1	8
815	New Insights Into the Polar Lipid Composition of Extremely Halo(alkali)philic Euryarchaea From Hypersaline Lakes. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 377	5.7	28
814	Archaeal Sources of Intact Membrane Lipid Biomarkers in the Oxygen Deficient Zone of the Eastern Tropical South Pacific. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 765	5.7	14
813	Constraining the application of hydrogen isotopic composition of alkenones as a salinity proxy using marine surface sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>2019</b> , 250, 34-48	5.5	9
812	Membrane Lipid Composition of the Moderately Thermophilic Ammonia-Oxidizing Archaeon "Nitrosotenuis uzonensis" at Different Growth Temperatures. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	13

811	Production of branched tetraethers in the marine realm: Svalbard fjord sediments revisited. <i>Organic Geochemistry</i> , <b>2019</b> , 138, 103907	3.1	10
810	Paleosensitivity of Hydrogen Isotope Ratios of Long-Chain Alkenones to Salinity Changes at the Chile Margin. <i>Paleoceanography and Paleoclimatology</i> , <b>2019</b> , 34, 978-989	3.3	2
809	Hydrogen isotopic ratios of long-chain diols reflect salinity. <i>Organic Geochemistry</i> , <b>2019</b> , 137, 103904	3.1	2
808	Demethylated hopanoids in <i>Ca. Methylospirillum oxyferans</i> as biomarkers for environmental nitrite-dependent methane oxidation. <i>Organic Geochemistry</i> , <b>2019</b> , 137, 103899	3.1	5
807	Biomarker evidence for the occurrence of anaerobic ammonium oxidation in the eastern Mediterranean Sea during Quaternary and Pliocene sapropel formation. <i>Biogeosciences</i> , <b>2019</b> , 16, 2467-2479	4.6	13
806	Evidence for fire in the Pliocene Arctic in response to amplified temperature. <i>Climate of the Past</i> , <b>2019</b> , 15, 1063-1081	3.9	7
805	High-resolution bio- and chemostratigraphy of an expanded record of Oceanic Anoxic Event 2 (Late Cenomanian-Early Turonian) at Clot Chevalier, near Barrême, SE France (Vocontian Basin). <i>Newsletters on Stratigraphy</i> , <b>2019</b> , 52, 97-129	2.9	16
804	Biomarker evidence for nitrogen-fixing cyanobacterial blooms in a brackish surface layer in the Nile River plume during sapropel deposition. <i>Geology</i> , <b>2019</b> , 47, 1088-1092	5	9
803	<i>Granulicella sibirica</i> sp. nov., a psychrotolerant acidobacterium isolated from an organic soil layer in forested tundra, West Siberia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 1195-1201	2.2	6
802	<i>Halococcoides cellulivorans</i> gen. nov., sp. nov., an extremely halophilic cellulose-utilizing haloarchaeon from hypersaline lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 1327-1335	2.2	6
801	sp. nov. and gen. nov., sp. nov., the first sulfur-respiring alkaliphilic haloarchaea from hypersaline alkaline lakes. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 2662-2673	2.2	10
800	Validation of carbon isotope fractionation in algal lipids as a $\delta^{13}C_{CO_2}$ proxy using a natural $\delta^{13}C_{CO_2}$ seep (Shikine Island, Japan). <i>Biogeosciences</i> , <b>2019</b> , 16, 4451-4461	4.6	7
799	Dark carbon fixation in the Arabian Sea oxygen minimum zone contributes to sedimentary organic carbon (SOM). <i>Global Biogeochemical Cycles</i> , <b>2019</b> , 33, 1715-1732	5.9	15
798	Constraining the applicability of organic paleotemperature proxies for the last 90 Myrs. <i>Organic Geochemistry</i> , <b>2019</b> , 128, 122-136	3.1	16
797	<i>Natrarchaeobius chitinivorans</i> gen. nov., sp. nov., and <i>Natrarchaeobius halalkaliphilus</i> sp. nov., alkaliphilic, chitin-utilizing haloarchaea from hypersaline alkaline lakes. <i>Systematic and Applied Microbiology</i> , <b>2019</b> , 42, 309-318	4.2	13
796	Late Quaternary Biomass Burning in Northwest Africa and Interactions With Climate, Vegetation, and Humans. <i>Paleoceanography and Paleoclimatology</i> , <b>2019</b> , 34, 153-163	3.3	6
795	A combined lipidomic and 16S rRNA gene amplicon sequencing approach reveals archaeal sources of intact polar lipids in the stratified Black Sea water column. <i>Geobiology</i> , <b>2019</b> , 17, 91-109	4.3	35
794	Transport and deposition of the fire biomarker levoglucosan across the tropical North Atlantic Ocean. <i>Geochimica Et Cosmochimica Acta</i> , <b>2018</b> , 227, 171-185	5.5	14



793	Life on the edge: active microbial communities in the Kryos MgCl-brine basin at very low water activity. <i>ISME Journal</i> , <b>2018</b> , 12, 1414-1426	11.9	22
792	Change in provenance of branched glycerol dialkyl glycerol tetraethers over the Holocene in the Baltic Sea and its impact on continental climate reconstruction. <i>Organic Geochemistry</i> , <b>2018</b> , 121, 138-154	3.1	11
791	Variations in benthic foraminiferal assemblages in the Tagus mud belt during the last 5700 years: Implications for Tagus River discharge. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 496, 225-237	2.9	3
790	Potential recycling of thaumarchaeotal lipids by DPANN Archaea in seasonally hypoxic surface marine sediments. <i>Organic Geochemistry</i> , <b>2018</b> , 119, 101-109	3.1	18
789	Natronobiforma cellulositrophica gen. nov., sp. nov., a novel haloalkaliphilic member of the family Natribacteraceae (class Halobacteriia) from hypersaline alkaline lakes. <i>Systematic and Applied Microbiology</i> , <b>2018</b> , 41, 355-362	4.2	19
788	Using tetraether lipids archived in North Sea Basin sediments to extract North Western European Pliocene continental air temperatures. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 490, 193-205	5.3	35
787	Aeolian transport and deposition of plant wax n-alkanes across the tropical North Atlantic Ocean. <i>Organic Geochemistry</i> , <b>2018</b> , 115, 113-123	3.1	14
786	A novel heterocyst glycolipid detected in a pelagic N <sub>2</sub> -fixing cyanobacterium of the genus Calothrix. <i>Organic Geochemistry</i> , <b>2018</b> , 123, 44-47	3.1	7
785	Assessing the metabolism of sedimentary microbial communities using the hydrogen isotopic composition of fatty acids. <i>Organic Geochemistry</i> , <b>2018</b> , 124, 123-132	3.1	3
784	Benthic archaea as potential sources of tetraether membrane lipids in sediments across an oxygen minimum zone. <i>Biogeosciences</i> , <b>2018</b> , 15, 4047-4064	4.6	34
783	The impact of oxygen exposure on long-chain alkyl diols and the long chain diol index (LDI) in a long-term incubation study. <i>Organic Geochemistry</i> , <b>2018</b> , 124, 238-246	3.1	9
782	An overview of the occurrence of ether- and ester-linked iso-diabolic acid membrane lipids in microbial cultures of the Acidobacteria: Implications for brGDGT paleoproxies for temperature and pH. <i>Organic Geochemistry</i> , <b>2018</b> , 124, 63-76	3.1	78
781	The enigmatic structure of the crenarchaeol isomer. <i>Organic Geochemistry</i> , <b>2018</b> , 124, 22-28	3.1	27
780	Seasonal variability in the abundance and stable carbon-isotopic composition of lipid biomarkers in suspended particulate matter from a stratified equatorial lake (Lake Chala, Kenya/Tanzania): Implications for the sedimentary record. <i>Quaternary Science Reviews</i> , <b>2018</b> , 192, 208-224	3.9	34
779	gen. nov., sp. nov., a new member of the phylum isolated from an oil sands tailings pond. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2018</b> , 68, 1078-1084	2.2	3
778	sp. nov., a member of the family from lichen-dominated forested tundra. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2018</b> , 68, 1265-1270	2.2	10
777	Methanonatronarchaeum thermophilum gen. nov., sp. nov. and 'Candidatus Methanohalarchaeum thermophilum', extremely halo(natrono)philic methyl-reducing methanogens from hypersaline lakes comprising a new euryarchaeal class Methanonatronarchaeia classis nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2018</b> , 68, 2199-2208	2.2	43
776	Distributions of 5- and 6-methyl branched glycerol dialkyl glycerol tetraethers (brGDGTs) in East African lake sediment: Effects of temperature, pH, and new lacustrine paleotemperature calibrations. <i>Organic Geochemistry</i> , <b>2018</b> , 117, 56-69	3.1	95

775	Acidobacteria <b>2018</b> , 1-10		20
774	Molecular fossils from phytoplankton reveal secular co trend over the Phanerozoic. <i>Science Advances</i> , <b>2018</b> , 4, eaat4556	14.3	53
773	Hydrolytic Capabilities as a Key to Environmental Success: Chitinolytic and Cellulolytic From Acidic Sub-arctic Soils and Boreal Peatlands. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2775	5.7	30
772	A Late Quaternary climate record based on long-chain diol proxies from the Chilean margin. <i>Climate of the Past</i> , <b>2018</b> , 14, 1783-1803	3.9	15
771	Metabolism and Occurrence of Methanogenic and Sulfate-Reducing Syntrophic Acetate Oxidizing Communities in Haloalkaline Environments. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 3039	5.7	21
770	Redox-dependent niche differentiation provides evidence for multiple bacterial sources of glycerol tetraether lipids in lakes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10926-10931	11.5	53
769	A quest for the biological sources of long chain alkyl diols in the western tropical North Atlantic Ocean. <i>Biogeosciences</i> , <b>2018</b> , 15, 5951-5968	4.6	18
768	Origin, formation and environmental significance of des-A-arborenes in the sediments of an East African crater lake. <i>Organic Geochemistry</i> , <b>2018</b> , 125, 95-108	3.1	1
767	Long-chain diols in rivers: distribution and potential biological sources. <i>Biogeosciences</i> , <b>2018</b> , 15, 4147-4166	4.6	13
766	C<sub>5</sub> glycolipids of heterocystous cyanobacteria track symbiont abundance in the diatom <i>Hemiaulus hauckii</i> across the tropical North Atlantic. <i>Biogeosciences</i> , <b>2018</b> , 15, 1229-1241	4.6	6
765	Land-Sea coupling of early Pleistocene glacial cycles in the southern North Sea exhibit dominant Northern Hemisphere forcing. <i>Climate of the Past</i> , <b>2018</b> , 14, 397-411	3.9	12
764	A Comparison of Late Quaternary Organic Proxy-Based Paleotemperature Records of the Central Sea of Okhotsk. <i>Paleoceanography and Paleoclimatology</i> , <b>2018</b> , 33, 732-744	3.3	16
763	Phylogenomic analysis of lipid biosynthetic genes of Archaea shed light on the 'lipid divide'. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 54-69	5.2	56
762	The C32 alkane-1,15-diol as a tracer for riverine input in coastal seas. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 202, 146-158	5.5	39
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121	Thermal stability of thiophene biomarkers as studied by hydrous pyrolysis. <i>Organic Geochemistry</i> , <b>1995</b> , 23, 583-596	3.1	49
120	Molecular indicators for palaeoenvironmental change in a Messinian evaporitic sequence (Vena del Gesso, Italy). I: Variations in extractable organic matter of ten cyclically deposited marl beds. <i>Organic Geochemistry</i> , <b>1995</b> , 23, 471-483	3.1	53
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114	Alternative biological sources for 1,2,3,4-tetramethylbenzene in flash pyrolysates of kerogen. <i>Organic Geochemistry</i> , <b>1995</b> , 23, 975-979	3.1	33
113	Comments on Biomarkers or not biomarkers. A new hypothesis for the origin of pristane involving derivation from methyltrimethyltridecylchromans (MTTCs) formed during diagenesis from chlorophyll and alkylphenols [From M. Li, S. R. Larter, P. Taylor, D. M. Jones, B. Bowler and M. Bjor^ G. <i>Organic Geochemistry</i> , <b>1995</b> , 23, 1085-1087	3.1	22
112	Organic sulfur compounds formed during early diagenesis in Black Sea sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 521-533	5.5	132
111	A novel triterpenoid carbon skeleton in immature sulphur-rich sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 953-958	5.5	18
110	The effect of hydrosulphurization on stable carbon isotopic compositions of free and sulphur-bound lipids. <i>Geochimica Et Cosmochimica Acta</i> , <b>1995</b> , 59, 1605-1609	5.5	18



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21	Biological Markers for Anoxia in the Photic Zone of the Water Column		15
20	Reconstructing the diet, trophic level, and migration pattern of Mysticete whales based on baleen isotopic composition		1

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17	Origin of lipid biomarkers in mud volcanoes from the Alboran Sea, western Mediterranean		1
16	Transport of branched tetraether lipids from the Tagus River basin to the coastal ocean of the Portuguese margin: consequences for the interpretation of the MBT'/CBT paleothermometer		2
15	Provenance of tetraether membrane lipids in a large temperate lake (Loch Lomond, UK): implications for GDGT-based palaeothermometry		2
14	Constraints on the applicability of the organic temperature proxies U<sup>37</sup>K'</sup> and TEX<sub>86</sub> and LDI in the subpolar region around Iceland		2
13	Increasing P-stress and viral infection impact lipid remodeling of the picophytoplankter <i>Micromonas pusilla</i>		2
12	Intact polar lipids of Thaumarchaeota and anammox bacteria as indicators of N-cycling in the Eastern Tropical North Pacific oxygen deficient zone		2
11	Spatial and seasonal contrasts of sedimentary organic matter in floodplain lakes of the central Amazon basin		3
10	Assessment of soil <i>n</i>-alkane <i>D</i> and branched tetraether membrane lipid distributions as tools for paleoelevation reconstruction		2
9	Latitudinal differences in the amplitude of the OAE-2 carbon isotopic excursion: <i>p</i>CO<sub>2</sub> and paleoproductivity		2
8	Occurrence and distribution of ladderane oxidation products in different oceanic regimes		1
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1	Bridging the divide: bacteria synthesizing archaeal membrane lipids	9
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